

betal: 177 SHLVCAEKERTFCVNGGECFVMDLNSPSRYLCKCNSTGDRCONVVASFYKHLGIEFMEAEELYQRR SEQ ID NO: 1
 alpha: 177 SHLVCAEKERTFCVNGGECFVMDLNSPSRYLCKCPGFTGARTENVMKVQNER-----AEELYQRR SEQ ID NO: 2
 beta2: 177 SHLVCAEKERTFCVNGGECFVMDLNSPSRYLCKCNSTGDRCONVVASFYK-----AEELYQRR SEQ ID NO: 3
 beta3: 177 SHLVCAEKERTFCVNGGECFVMDLNSPSRYLCKCNSTGDRCONVVASFYK-----AEELYQRR SEQ ID NO: 4
 ndfa2: 177 SHLVCAEKERTFCVNGGECFVMDLNSPSRYLCKCPGFTGARTENVMKVQNER-----AEELYQRR SEQ ID NO: 5
 ndfb1: 177 SHLVCAEKERTFCVNGGECFVMDLNSPSRYLCKCNSTGDRCONVVASFYKHLGIEFMEAEELYQRR SEQ ID NO: 6
 ndfb2: 177 SHLVCAEKERTFCVNGGECFVMDLNSPSRYLCKCNSTGDRCONVVASFYK-----AEELYQRR SEQ ID NO: 7
 ndfb3: 177 SHLVCAEKERTFCVNGGECFVMDLNSPSRYLCKCPGFTGARTENVMFYSTSTPTFLSLPE SEQ ID NO: 8
 ndfb4: 177 SHLVCAEKERTFCVNGGECFVMDLNSPSRYLCKCPGFTGARTENVMFYSTSTPTFLSLPE SEQ ID NO: 9
 99f : 358 SHLVCAEKERTFCVNGGECFVMDLNSPSRYLCKCNSTGDRCONVVASFYSTSTPTFLSLPE SEQ ID NO: 10
 sndf : 232 SHLVCAEKERTFCVNGGECFVMDLNSPSRYLCKCNSTGDRCONVVASFYSTSTPTFLSLPE SEQ ID NO: 11
 gamma: 704 SHLVCAEKERTFCVNGGECFVMDLNSPSRYLCKCNSTGDRCONVVASFYSTSTPTFLSLPE SEQ ID NO: 12
 aria : 136 SHLVCAEKERTFCVNGGECFVMDLNSPSRYLCKCNSTGDRCONVVASFYKHLGIEFMEAEELYQRR SEQ ID NO: 13

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FIG. 1

Alanine Scan of HRG EGF-like Domain on ErbB-3 and ErbB-4

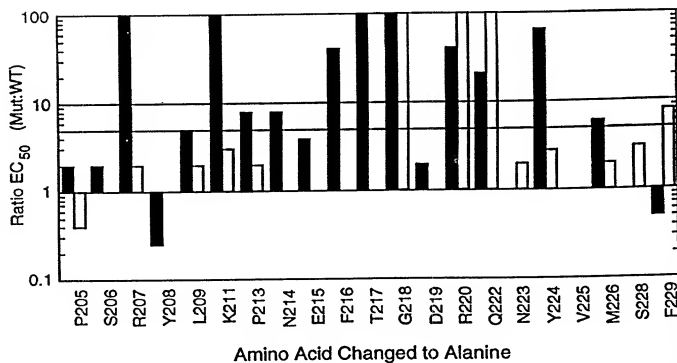
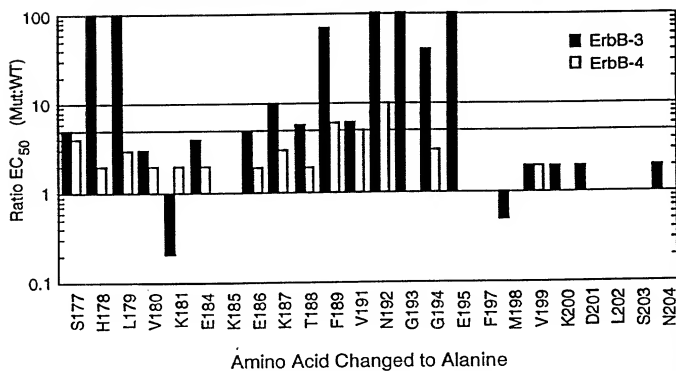


FIG. 2

	177	180	190	200	210	220	228									
HRG8	SHLVK	C	AEKKT	FC	VNGGE	C	FWVKD	LSNPSRYL	C	KCPNEF	I.E.	YRDL	R	QNYVM	AS	SEQ ID NO: 92
HRG63	NSDSE	1	PLSHDG	1	LHD.V	MYIEA	---	LDK.A	---	N.VVGY	---	---	---	---	---	SEQ ID NO: 14
EGF	1	10	1	20	30	40	48	48	48	48	48	48	48	48	48	SEQ ID NO: 15
HRG 90	WE..P	GWDREG	WE..P	YK.RI	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	SEQ ID NO: 16
HRG 37	WE..P	GWDREG	WE..P	YK.RI	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	SEQ ID NO: 17
HRG 38	WE..P	GWDREG	WE..P	YK.RI	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	SEQ ID NO: 18
HRG 40	WE..P	GWDREG	WE..P	YK.RI	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	SEQ ID NO: 19
HRG 41	WE..P	GWDREG	WE..P	YK.RI	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	SEQ ID NO: 20
HRG 48	WE..P	GWDREG	WE..P	YK.RI	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	SEQ ID NO: 21
HRG 53	WE..P	GWDREG	WE..P	YK.RI	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	SEQ ID NO: 22
HRG 54	WE..P	GWDREG	WE..P	YK.RI	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	SEQ ID NO: 23
HRG 55	WE..P	GWDREG	WE..P	YK.RI	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	SEQ ID NO: 24
HRG 56	WE..P	GWDREG	WE..P	YK.RI	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	SEQ ID NO: 25
HRG 57	WE..P	GWDREG	WE..P	YK.RI	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	SEQ ID NO: 26
HRG 58	WE..P	GWDREG	WE..P	YK.RI	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	SEQ ID NO: 27
HRG 59	WE..P	GWDREG	WE..P	YK.RI	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	SEQ ID NO: 28
HRG 60	WE..P	GWDREG	WE..P	YK.RI	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	SEQ ID NO: 29
HRG 61	WE..P	GWDREG	WE..P	YK.RI	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	SEQ ID NO: 30
HRG 62	WE..P	GWDREG	WE..P	YK.RI	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	SEQ ID NO: 31
HRG 71	WE..P	GWDREG	WE..P	YK.RI	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	SEQ ID NO: 32
HRG 73	WE..P	GWDREG	WE..P	YK.RI	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	YGYLM	---	SEQ ID NO: 33

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FIG. 4